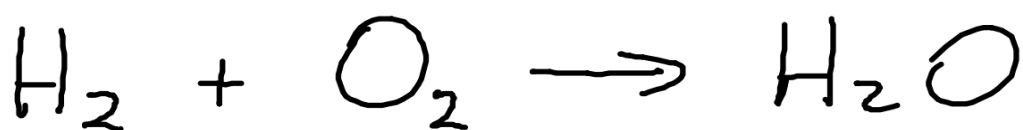
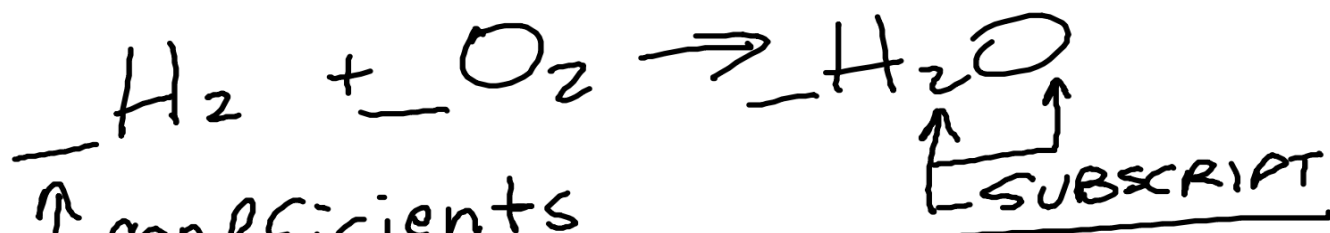


Conservation of mass
We can not create or
Destroy mass



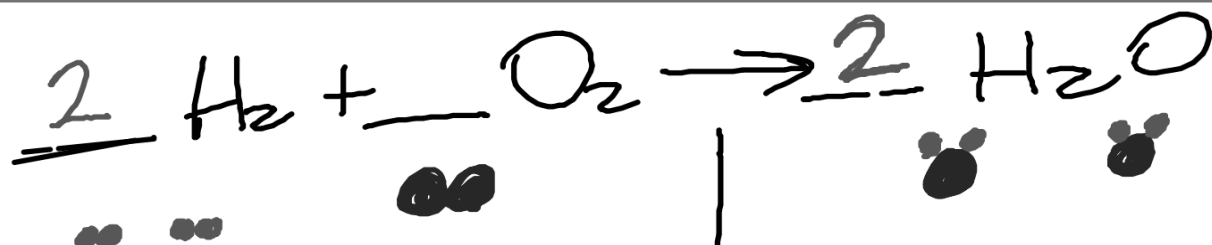
Reactants YIELD Products
Chemical Equation



↑ coefficients

CAN change
coefficients

CAN NOT
change
SUBSCRIPTS

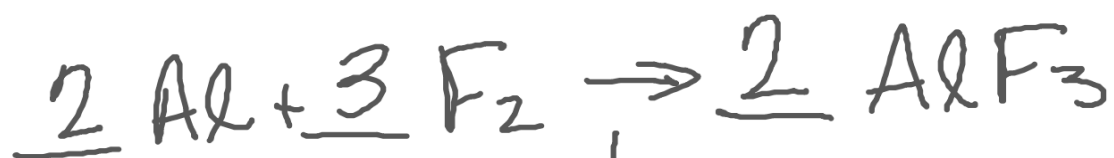


$$\text{H} = 2 \times 2 = 4$$

$$\text{O} = 2$$

$$\text{H} = 2 \times 2 = 4$$

$$\text{O} = 1 \times 2 = 2$$



$$\text{Al} = 1 \times 2 = 2$$

$$\text{F} = 2 \times 3 = 6$$

$$\text{Al} = 1 \times 2 = 2$$

$$\text{F} = 3 \times 2 = 6$$



$$\text{Na} = 1 \times 2 = 2 \quad | \quad \text{Na} = 1 \times 2 = 2$$

$$\text{N} = 3 \times 2 = 6 \quad | \quad \text{N} = 2 \times 3 = 6$$



$$\text{Mg} = 1 \times 3 = 3$$

$$\text{Cr} = 1 \times 2 = 2$$

$$\text{Cl} = 3 \times 2 = 6$$

$$\text{Mg} = 1 \times 3 = 3$$

$$\text{Cr} = 1 \times 2 = 2$$

$$\text{Cl} = 2 \times 3 = 6$$